

1 **THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE**
2 **PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**
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4 1. A multi-tier application system for generating a central application for deployment on a
5 predetermined combination of selected components, the system comprising:

- 6 a) an abstract notation description file to contain data for the central application;
7 b) an editor for entering a selected set of input parameters to provide the data; and
8 c) an application generator for transforming the data from the abstract notation to a
9 selected platform notation corresponding to the selected components, the selected
10 notation contained in the central application;

11 wherein the deployment of the central application, monitors the communication of
12 component data between the selected components.

13 2. The system according to claim 1, wherein at least two of the selected components having
14 different platforms.

15 3. The system according to claim 2, wherein the description file including platform
16 indicators in the data capable of representing multiple applications of different platforms
17 corresponding to the selected components.

18 4. A method for generating a central application for deployment on a predetermined
19 combination of components selected from a multi-tier environment, the method
20 comprising the steps of:

- 21 a) selecting input parameters for representing data for the central application;
22 b) combining the input parameters for producing an abstract notation description file
23 comprising the data;
24 c) transforming the data from the abstract notation to a selected platform notation
25 corresponding to the selected components; and
26 d) generating the central application containing the platform notation;

27 wherein deployment of the central application monitors the communication of component
28 data between the selected components.

29 5. A computer program product for generating a central application module for deployment
30 on a predetermined combination of selected components, the product comprising:

- 31 a) a computer readable medium;

- b) an abstract notation description module stored on said computer readable medium for containing data for the central application module;
- c) an editor module coupled to the description module for entering a selected set of input parameters to provide the data;
- d) an application generator module coupled to said description module for transforming the data from the abstract notation to a selected platform notation corresponding to the selected components; and
- e) the central application module coupled to the generator module for receiving the selected platform notation;

wherein the deployment of the central application module monitors the communication of component data between the selected components.

6. A multi-tier application system for generating a central application for deployment on a predetermined combination of selected components having different platforms, the system comprising:

- a) an abstract notation description file to contain data for the central application, the description file capable of representing multiple sub-applications of different platforms;
- b) an editor for entering a selected set of input parameters to provide the data, the data including platform indicators; and
- c) an application generator for transforming the data from the abstract notation to a plurality of selected platform notations corresponding to the platform indicators, the selected notations representing different platforms contained by the central application;

wherein the deployment of the central application as a series of the sub-applications on corresponding tiers containing the selected components facilitates the monitoring of communication of component data between the selected components.